

## PCT REQUEST

Original (for SUBMISSION )

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY model] Version 3.50 (Build 0002.162)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Korean Intellectual Property Office (RO/KR)
0-7	Applicant's or agent's file reference.	PCTA9407-2
I	Title of Invention	A NOVEL HANSENULA POLYMORPHA GENE CODING FOR alpha 1,6-MANNOSYLTRANSFERASE AND PROCESS FOR THE PRODUCTION OF RECOMBINANT GLYCOPROTEINS WITH HANSENULA POLYMORPHA MUTANT STRAIN DEFICIENT IN THE SAME GENE
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name:	Korea Research Institute of Bioscience and Biotechnology
II-5	Address:	52 Eoeun-dong, Yuseong-gu, Daejeon305-333 Republic of Korea
II-6	State of nationality	KR
II-7	State of residence	KR
II-8	Telephone No.	82-42-860-4378
II-9	Facsimile No.	82-42-860-4594
II-10	e-mail	hyunkang@mail.kribb.re.kr
II-11	Applicant's registration No. with the Office	3-1999-034166-5

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III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	KANG, Hyun-Ah
III-1-5	Address:	#1109-502, Yeolmae Maeul 11-Danji, Noeun-dong, Yuseong-gu, Daejeon305-768 Republic of Korea
III-1-6	State of nationality	KR
III-1-7	State of residence	KR
III-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	KIM, Moo-Woong
III-2-5	Address:	#401-602, Wonang Maeul Apt., Gwanjeon-dong, Seo-gu, Daejeon302-904 Republic of Korea
III-2-6	State of nationality	KR
III-2-7	State of residence	KR
III-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	RHEE, Sang-Ki
III-3-5	Address:	#ga-10, Kukdong Apt., Gwangjang-dong, Gwangjin-gu, Seoul143-751 Republic of Korea
III-3-6	State of nationality	KR
III-3-7	State of residence	KR
III-4	Applicant and/or inventor	
III-4-1	This person is:	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	HEO, Joo-Hyung
III-4-5	Address:	#108-606, Nuri Apt., 301 Wolpyeong-3-dong, Seo-gu, Daejeon302-791 Republic of Korea
III-4-6	State of nationality	KR
III-4-7	State of residence	KR

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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent international Authorities as:	agent
IV-1-1	Name (LAST, First)	SON, Min
IV-1-2	Address:	19th Floor, City Air Tower, 159-9 Samsung-dong, Kangnam-gu, Seoul 135-973 Republic of Korea
IV-1-3	Telephone No.	82-2-2016-7900
IV-1-4	Facsimile No.	82-2-2016-7905
IV-1-5	e-mail	minson@hanollawip.com
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
V-2	Item V-2 may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. As to the consequences of such national law provisions in these and certain other States, see Designations in PCT-SAFE Help.	KR
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	30 January 2004 (30.01.2004)
VI-1-2	Number	10-2004-0006352
VI-1-3	Country	KR
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (ISA/KR)

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VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	✓
IX-2	Description (excluding sequence listing part)	23	-
IX-3	Claims	2	-
IX-4	Abstract	1	✓
IX-5	Drawings	9	-
IX-7a	Sub-total number of sheets	40	
IX-6a	Sequence listing part of description	10	-
IX-7	TOTAL	50	
	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	reference no. PCTA9407-2	-
IX-16(A)	Sequence listing in computer readable form:		
IX-16(A) - (ii)	additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	-	1 Diskette
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract	5	
IX-20	Language of filing of the international application	Korean	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	SON, Min	
X-1-2	Name of signatory		
X-1-3	Capacity		



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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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## PCT (ANNEX - FEE CALCULATION SHEET)

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(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only			
0-1	International Application No.			
0-2	Date stamp of the receiving Office			
0-4	Form PCT/RO/101 (Annex) PCT Fee Calculation Sheet Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)		
0-9	Applicant's or agent's file reference	PCTA9407-2		
2	Applicant	KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY		
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (KRW)	
12-1	Transmittal fee T	⇒	45000	
12-2-1	Search fee S	⇒	225000	
12-2-2	International search to be carried out by	KR		
12-3	International filing fee (first 30 sheets) i1	1329000		
12-4	Remaining sheets	20		
12-5	Additional amount (X)	14000		
12-6	Total additional amount i2	280000		
12-7	i1 + i2 = i	1609000		
12-12	EASY Filing reduction R	-95000		
12-13	Total International filing fee (i-R) I	⇒	1514000	
12-14	Fee for priority document			
	Number of priority documents requested	0		
12-15	Fee per document (X)	0		
12-16	Total priority document fee: P	⇒		
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒	1784000	
12-19	Mode of payment	cash		

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(This sheet is not part of and does not count as a sheet of the international application)

0-1	Form - PCT/RO/134 (SAFE) Indications Relating to Deposited Microorganism(s) or Other Biological Material (PCT Rule 13bis)	
0-1-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162)
0-2	International Application No.	
0-3	Applicant's or agent's file reference	PCTA9407-2

1	The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:	
1-1	page	8
1-2	line	21-25
1-3	Identification of deposit	
1-3-1	Name of depositary institution	KCTC Korean Collection for Type Cultures
1-3-2	Address of depositary institution	52, Oun-dong, Yusong-Ku, Taejon 305-333, Republic of Korea
1-3-3	Date of deposit	15 January 2004 (15.01.2004)
1-3-4	Accession Number	KCTC 10583BP
1-5	Designated States for Which Indications are Made	all designations
2	The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:	
2-1	page	9
2-2	line	19-21
2-3	Identification of deposit	
2-3-1	Name of depositary institution	KCTC Korean Collection for Type Cultures
2-3-2	Address of depositary institution	52, Oun-dong, Yusong-Ku, Taejon 305-333, Republic of Korea
2-3-3	Date of deposit	15 January 2004 (15.01.2004)
2-3-4	Accession Number	KCTC 10584BP
2-5	Designated States for Which Indications are Made	all designations

## FOR RECEIVING OFFICE USE ONLY

0-4	This form was received with the international application: (yes or no)	
0-4-1	Authorized officer	

## FOR INTERNATIONAL BUREAU USE ONLY

0-5	This form was received by the international Bureau on:	
0-5-1	Authorized officer	

13-2-1	Validation messages Request	Green? A translation of the int'l application into (one of) the following language(s) must be furnished within one month of the date of receipt by the receiving Office: English
	Validation messages Request	Green? A translation of the international application into English will have to be prepared under the responsibility of the ISA selected.
	Validation messages Request	Green? Please note that the entire request (including the title of invention) must be in English
	Validation messages Request	Green? The title of the invention shall be short and precise. Please verify.
	Validation messages Request	Green? The title of the invention should preferably be entered in capital letters. Please verify.
13-2-2	Validation messages States	Green? Please note that the following States have NOT been designated: KR.
13-2-3	Validation messages Names	Green? Applicant 1: Name should preferably be entered in capital letters. Please verify.
13-2-7	Validation messages Contents	Green? Priority 1. The priority document is not enclosed. (The applicant must furnish it within 16 months from the earliest priority date claimed)